Mr. David H. Meikrantz

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Significant research in material separation methods and process chemistry

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Education: He earned his B.S. in chemistry from Iowa Wesleyan College in 1968 and an M.S. in chemistry from the University of Idaho in 1980 through the INEEL's Education Program.

Licensing information

For information on licensing INEEL technologies such as those developed by Mr. Meikrantz, contact Technology Outreach Account Executive:

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Work experience: Mr. Meikrantz began his career at INEEL's Chemical Processing Plant (now called the Idaho Nuclear Technology and Engineering Center) in 1973. His research interests include separations radiochemistry and process chemistry. Mr. Meikrantz spent nine years as Director of Technology for CINC, an INEEL Technology Transfer Licensee, returning to the Laboratory in 2003.

Professional endeavors: Mr. Meikrantz currently works in the Advanced Separations Group on the Advanced Fuel Cycle Initiatives (AFCI) program, where he conducts research into improving the performance of annular centrifugal contactors for separations relating to the nuclear fuel cycle as well as for oil/water separations in industry. As a member of the AFCI team he has written the technical strategy plan for future engineering studies to partition spent nuclear fuel and is assisting in developing novel methods for separation of cesium and strontium.

Patents:

U.S. Patent No. 5,908,376 -- Self-Cleaning Rotor for a Centrifugal Separator

U.S. Patent No. 5,799, 257 -- Process for Gamma Ray Induced Degradation of Polychlorinated Biphenyls

U.S. Patent No. 5,762,800 -- Centrifugal Separator

U.S. Patent No. 5,591,340 -- Centrifugal Separator

U.S. Patent No. 5,669, 961 -- Method for the Purification of Noble Gases, Nitrogen and Hydrogen

U.S. Patent No. 5,571,070 -- Rotor Sleeve for a Centrifugal Separator

U.S. Patent No. 4,959,158 -- Method for Separating Disparate Components in a Fluid Stream

U.S. Patent No. 4,995,916 -- Method of Recovering Hazardous Waste from Phenolic Resin Filters

U.S. Patent No. 5,080,693 -- Tritium Monitor and Collection System